

Scarlet Runner, North Row
Red + white flowers

14/4/62

Position	(a) Up to 1 ft					(b) 1 to 4 ft					(c) Over 4 ft					Plants		Dark Beans	
	Pods		Beans		Shrub	Pods		Beans		Shrub	Pods		Beans		Shrub	No	Gm	Pods	Beans
	No	Gm	No	Gm	Gm	No	Gm	No	Gm	Gm	No	Gm	No	Gm	Gm	No	Gm		
41	4	20.6	13	14.2	6.0						7	37.5	28	28.0	8.3	2	210	552	557
42						6	16.8	18	13.4	3.4						1	8.2		
43	5	14.1	12	10.3	3.3	6	22.0	14	16.5	5.5						2	288		
44	8	34.0	22	24.2	9.0											2	165		
45						22	74.6	37	53.0	20.2						3	416		
46	no Pods															2	290		
47						7	26.7	16	20.4	6.2	21	108.9	67	84.2	24.9	1	527	551	555
48	all red																		
49	9	52.9	37	39.1	13.2	9	50.0	32	38.6	11.2	9	51.6	32	38.8	12.3	2	440		
50						8	37.9	22	28.2	7.9						1	152	56	5, PINK
51	15	57.9	50	45.0	12.1	24	92.5	63	69.8	21.4	11	40.8	23	29.5	10.9	2	516	553	555
52	12	44.2	39	33.6	10.3	7	38.0	27	27.9	8.8	14	46.2	34	29.8	16.4	2	368	31	6, 4,
53						10	48.0	29	35.8	12.1	8	26.2	15	17.2	5.8	1	319		
54	12	62.0	52	44.0	13.2	10	52.4	38	41.6	10.3						2	398		
55	7	35.8	22	26.7	8.7	9	46.0	30	33.6	12.2						3	618	56	51
56	all red																		
57	7	36.9	28	28.6	7.7	9	52.8	28	40.6	12.0	10	38.9	28	26.6	12.4	2	429	551	551
58						22	75.2	37	55.2	19.1						1	670	56	56
59						8	30.6	19	23.6	7.2						2	257	53	55
60	12	45.0	36	34.9	10.2	11	41.4	32	31.9	9.8	6	22.9	16	17.4	4.7	2	496		
61	11	67.0	42	53.0	13.8	10	38.9	23	28.7	10.0	7	21.6	17	14.7	7.2	1	648		
62	5	25.7	13	19.8	5.9	10	43.0	32	34.4	8.3	15	63.0	36	45.3	17.4	2	540		
63	13	73.0	44	55.0	17.3	17	86.9	49	65.1	19.8	14	65.2	39	46.8	16.3	3	617		
64	10	49.3	32	37.4	11.2	15	74.0	36	52.5	19.2	6	24.1	16	18.3	5.8	3	485	56	56
65						12	62.1	35	46.9	14.8						1	305		
66						4	15.6	10	11.4	4.1						1	210	56	510
67	9	45.8	21	32.1	13.0	14	67.0	33	45.7	20.4						2	581		
68	8	27.2	22	20.8	6.2	10	27.1	23	21.0	6.3	13	35.2	25	27.8	8.1	1	138		
69						11	62.0	43	49.0	13.1	11	49.1	28	35.8	13.2	2	287	56	56
70	5	34.0	22	25.4	7.0	2	23.5	9	18.5	4.5	5	33.3	20	27.2	6.2	1	225	211	10, 4, 3

Scarlet Runner, North Row
Normal

21/10/62

(a) Up to 1ft (b) 1 to 4ft (c) Over 4ft.

Position	(a) Up to 1ft				(b) 1 to 4ft				(c) Over 4ft.			
	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks
41	5.15	3.25	.92	2.37	—	—	—	—	5.36	4.00	1.00	3.37
43	2.82	2.40	1.17	3.12	3.67	2.33	.85	3.93	—	—	—	—
45	—	—	—	—	3.39	1.68	.70	2.62	—	—	—	—
47	—	—	—	—	3.82	2.29	.78	3.29	5.18	3.19	.80	3.38
49	5.88	4.11	.95	2.96	5.56	3.56	.83	3.44	5.74	3.56	.82	3.16
51	3.86	3.33	1.11	3.75	3.85	2.62	.90	3.26	3.71	2.09	.78	2.71
53	—	—	—	—	4.80	2.90	.81	2.96	2.37	1.87	.87	1.96
55	5.11	3.14	.83	3.07	5.11	3.33	.89	2.76	—	—	—	—
57	5.27	4.00	.98	3.71	5.86	3.11	.69	3.38	3.89	2.80	1.05	2.15
59	—	—	—	—	3.83	2.38	.81	3.28	—	—	—	—
61	6.09	3.82	.79	3.83	3.89	2.30	.80	2.87	3.08	2.43	1.16	2.04
63	5.61	3.38	.80	3.18	5.11	2.88	.75	3.29	4.65	2.78	.83	2.87
65	—	—	—	—	5.17	2.91	.75	3.17	—	—	—	—
67	5.08	2.33	.66	2.47	4.79	2.36	.72	2.24	—	—	—	—
69	—	—	—	—	5.64	3.91	.88	3.74	4.46	2.54	.78	2.71
Sum	44.87	29.76	8.21	28.46	64.49	38.56	11.16	44.23	38.44	25.26	8.09	24.35
Number	9	9	9	9	14	14	14	14	9	9	9	9
Average	4.99	3.31	.91	3.16	4.61	2.75	.80	3.16	4.28	2.81	.90	2.71

Scarlet Runner North Row Reversed

21/10/62

Position	(a) Up to 1ft				(b) 1 to 4ft				(c) Over 4ft			
	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks
42	—	—	—	—	2.80	3.00	1.32	3.94	—	—	—	—
44	4.25	2.75	.91	2.69	—	—	—	—	—	—	—	—
46	—	—	—	—	—	—	—	—	—	—	—	—
48	—	—	—	—	—	—	—	—	—	—	—	—
50	—	—	—	—	4.74	2.75	.78	2.85	—	—	—	—
52	3.69	3.25	1.16	3.27	5.43	3.85	.97	3.17	3.30	2.43	1.14	1.82
54	5.17	4.34	1.06	3.71	5.24	3.80	.91	4.04	—	—	—	—
56	—	—	—	—	—	—	—	—	—	—	—	—
58	—	—	—	—	3.42	1.68	.67	2.89	—	—	—	—
60	3.75	3.00	1.03	3.42	3.76	2.91	1.00	3.25	3.81	2.67	.92	3.70
62	5.14	2.60	.66	3.36	4.30	3.20	.93	4.15	4.20	2.40	.79	2.60
64	4.93	3.20	.86	3.34	4.93	2.40	.69	2.74	4.01	2.67	.87	3.16
66	—	—	—	—	3.90	2.50	.88	2.78	—	—	—	—
68	3.40	2.75	1.06	3.36	2.71	2.30	1.10	3.33	2.71	1.92	.90	3.43
70	6.80	4.40	.87	3.63	11.75	4.50	.49	4.11	6.66	4.00	.74	4.39
Sums	37.13	26.29	7.61	26.78	52.98	28.39	9.74	37.25	24.69	16.09	5.36	19.10
Number	8	8	8	8	11	11	11	11	6	6	6	6
Average	4.64	3.28	.95	3.35	4.82	2.58	.89	3.39	4.11	2.68	.89	3.18
Reversed Normal	.93	.99	1.04	1.06	1.04	.94	1.11	1.08	.96	.95	.99	1.17

Scarlet Runner, North Row
Normal, Full Pole Data

21/10/62

Position	Pods		Beans		Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans	Gms Beans	Dark Beans	
	No	Gms	No	Gms					Gms Shucks	Gms Vines	No	%
41	11	58.1	41	42.2	14.3				2.96		7	17.1
43	11	36.1	26	26.8	8.8				3.04		0	0
45	22	74.6	37	53.0	20.2				2.62		0	0
47	28	135.6	83	104.6	31.1				3.36		5	6.0
49	27	154.5	101	116.5	36.7				3.17		0	0
51	50	191.2	136	144.3	44.4				3.25		5	3.7
53	18	74.2	44	53.0	20.9				2.53		0	0
55	16	81.8	52	60.3	20.9				2.91		1	1.9
57	26	128.6	84	95.8	32.1				2.98		1	1.2
59	8	30.6	19	23.6	7.2				3.27		15	79.0
61	28	127.5	82	96.4	31.0				3.11		0	0
63	44	225.1	132	166.9	53.4				3.12		0	0
65	12	62.1	35	46.9	14.8				3.17		0	0
67	23	112.8	54	77.8	33.4				2.33		0	0
69	22	111.1	71	84.8	26.3				3.22		1	1.4

Sum 110.3
Number 15
Average 7.3
 $\Sigma (-)^2$ 659.11
Revised Normal 1.89

mean 3.002

These dark beans on north row are true color reversals of the seed planted and are same phenomenon encountered with Hawaiian beans of similar color.

Group Data

346	1630.9	997	1192.9	395.5	4.71	2.88	.84	3.02	35	3.5
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Scarlet Runner, North Row

21/10/62

Reversed, Full Pole Data

Position	Pods		Beans		Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks	Gms Beans Vines	Dark Beans	
	No	Gms	No	Gms	Gms	Pod	Pod	Gm	Shucks	Vines	No	%
42	6	16.8	18	13.4	3.4				3.94		0	0
44	8	34.0	22	24.2	9.0				2.69		0	0
46	-	-	-	-	-				-		-	-
48	-	-	-	-	-				-		-	-
50	8	37.9	22	28.1	9.9				2.84		4	18.2
52	33	128.4	100	91.3	35.5				2.57		10	10.0
54	22	114.4	90	90.6	23.5				3.85		0	0
56	-	-	-	-	-				-		-	-
58	22	75.2	37	55.2	19.1				2.89		1	2.7
60	29	109.3	84	84.2	24.7				3.41		0	0
62	30	131.7	81	99.5	31.6				3.15		0	0
64	31	147.4	84	108.2	36.2				2.99		1	1.2
66	4	15.6	10	11.4	4.1				2.78		10	100.0
68	31	89.5	70	69.6	20.6				3.38		0	0
70	12	90.8	51	71.1	17.7				4.02		17	33.3

165.4 Sum
 12 Number
 13.8 Average
 1154986 $\sum (-)^2$

mean 3.209

Group Data

236 991.0 669 746.8 235.3 4.20 2.83 .90 3.18 43 6.4

Reversed
 Normal

.89 .98 1.07 1.05 1.83

20/9/63

Scarlet Runner, Standard Cream & Brown Seed

Normal				Reversed			
Position	Beans		Total	Position	Beans		Total
	Cream & Brown	I.C.			Cream & Brown	I.C.	
North Row							
41	34	7		42	18	0	
42	26	0		44	22	0	
45	37	0		50	18	0	
47	78	5		52	90	10	
49	101	0		54	90	0	
51	131	5		58	36	1	
53	44	0		60	84	0	
55	51	1		62	68	0	
57	83	1		64	67	1	
59	4	15		66	0	10	
61	82	0		68	21	0	
63	132	0		70	34	17	
65	35	0					
67	54	0					
69	70	1					
Totals 962 35 997				548 39 587			
Group.			3.52% I.C.				6.64% I.C.
Entire Lot							
Totals 1510 74 1584			4.67% I.C.				

By notation of 21/10/63 there were no Brown and Cream beans secured from the row. This confirms the results of crop 1962/3. Namely: The spontaneous conversion of Cream & Brown seed to Brown and Cream beans is much less than the spontaneous conversion of Brown and Cream seed to Cream and Brown beans.

30/9/63

Scarlet Runner, North Row, Normal 1961/2

Position	Up to 1 ft			1 to 4 ft			Over 4 ft			Entire Vine		
	Grams Beans	Dev	Dev ²	Grams Beans	Dev	Dev ²	Grams Beans	Dev	Dev ²	Grams Beans	Dev	Dev ²
	Grams Shucks			Grams Beans			Grams Shucks			Grams Beans		
41	2.37	-0.79	.625	-			3.37	+0.66	.435	2.96	-0.04	.002
43	3.12	-0.04	.002	3.93	+0.77	.593	-			3.04	+0.04	.002
45	-			2.62	-0.54	.292	-			2.62	-0.38	.144
47	-			3.29	+0.13	.017	3.38	+0.67	.449	3.36	+0.36	.130
49	2.96	-0.20	.040	3.44	+0.28	.078	3.16	+0.45	.202	3.17	+0.17	.029
51	3.75	+0.59	.348	3.26	+0.10	.010	2.71	0	0	3.25	+0.25	.063
53	-			2.96	-0.20	.040	1.96	-0.75	.563	2.53	-0.47	.221
55	3.07	-0.09	.008	2.76	-0.40	.160	-			2.91	-0.09	.008
57	3.71	+0.55	.302	3.38	+0.22	.048	2.15	-0.56	.314	2.98	-0.02	0
59	-			3.28	+0.12	.014	-			3.27	+0.27	.073
61	3.83	+0.67	.449	2.87	-0.29	.084	2.04	-0.67	.449	3.11	+0.11	.012
63	3.18	+0.02	0	3.29	+0.13	.017	2.87	+0.16	.026	3.12	+0.12	.014
65	-			3.17	+0.01	0	-			3.17	+0.17	.029
67	2.47	-0.69	.485	2.24	-0.92	.846	-			2.33	-0.67	.449
69	-			3.74	+0.58	.336	2.71	0	0	3.22	+0.22	.048
Sum	28.46	+0.02	2.259	44.23	-0.01	2.535	24.35	-0.04	2.438	45.04	+0.04	1.224
Number	9			14			9			15		
Average	3.162			3.159			2.706			3.003		
say	3.16			3.16			2.71			3.00		

30/9/63

Scarlet Runner, North Row, Reversed, 1961/2

Position	Up to 1 ft			1 to 4 ft			Over 4 ft			Entire Vine		
	Grama Beans			Grama Beans			Grama Beans			Grama Beans		
	Grays Shucks	Dev	Dev ²	Grays Shucks	Dev	Dev ²	Grays Shucks	Dev	Dev ²	Grays Shucks	Dev	Dev ²
42	-			3.94	+ .55	.302	-			3.94	+ .73	.533
44	2.69	-.66	.435	-			-			2.69	-.52	.270
46	-			-			-			-		
48	-			-			-			-		
50	-			2.85	-.54	.292	-			2.85	-.36	.130
52	3.27	-.08	.006	3.17	-.22	.048	1.82	-1.36	1.850	2.57	-.64	.410
54	3.71	+ .36	.130	4.04	+ .65	.423	-			3.85	+ .64	.410
56	-			-			-			-		
58	-			2.89	-.54	.292	-			2.89	-.32	.102
60	3.42	+ .07	.005	3.25	-.14	.020	3.70	+ .52	.270	3.41	+ .20	.040
62	3.36	+ .01	0	4.15	+ .76	.578	2.60	-.58	.336	3.15	-.06	.004
64	3.34	-.01	0	2.74	-.65	.423	3.16	-.02	0	2.99	-.22	.048
66	-			2.78	-.61	.372	-			2.78	-.43	.185
68	3.36	+ .01	0	3.33	-.63	.001	3.43	+ .25	.063	3.38	+ .17	.029
70	3.63	+ .28	.078	4.11	+ .72	.519	4.39	+ 1.21	1.463	4.02	+ .81	.655
Sum	26.78	-.02	.656	37.25	-.65	3.270	19.10	+ .02	3.982	38.52	0	2.816
Number	8			11			6			12		
Average	3.348			3.386			3.183			3.210		
say	3.35			3.39			3.18			3.21		

30/9/63

Scarlet Runner, North Row, 1961/2

		Up to 1ft	1 to 4ft	Over 4ft	Entire Pole
Observations	{ Normal m_n	9	14	9	15
	{ Reversed m_n	8	11	6	12
Averages	{ Normal A_m	3.162	3.159	2.706	3.003
	{ Reversed A_n	3.398	3.386	3.183	3.210
Sum of Dev ²	{ Normal D_n	2.259	2.535	2.438	1.224
	{ Reversed D_n	.756	3.270	3.982	2.816
$n = m_n + m_n - 2$		15	23	13	25
$s = [(D_n + D_n)/n]^{1/2}$.441	.503	.702	.402
$k = \left[\frac{m_n \cdot m_n}{m_n + m_n} \right]^{1/2}$		2.12	2.48	1.90	2.58
$t = [A_n - A_m] \frac{k}{s}$.89	1.12	1.29	1.34
$p =$ From table of t and n		.38	.25	.23	.18
A_n/A_m		1.06	1.07	1.18	1.07
$A_n - A_m$					

Scarlet Runners

Computations by
Buck Meigs

July 1962

B wt
Sk. wt

Full Pole

Normal

Reversed

n	15	12
\bar{x}	3.002	3.209
Σx	4504	3851
Σx^2	1364636	1264087
$\frac{(\Sigma x)^2}{n}$	1352401	1235850
D	12235	28237

$$S = \sqrt{\frac{40472}{25}} = \sqrt{0.1619} = 0.4024$$

$$t = \frac{0.207 \times 2.582}{0.4024} = \frac{0.5345}{0.4024} = 1.3283 \text{ N.S.}$$

p = .19

Black Beans.

Normal

Reversed

n	15	12	number
\bar{x}	7.3	13.8	mean
Σx	110.3	165.4	sum
Σx^2	6590.11	11548.86	sum of squares
$(\Sigma x)^2/n$	811	2280	sum squared/number
D	5779	9269	$\Sigma x^2 - (\Sigma x)^2/n$

$$S = \left(\frac{5779 + 9269}{25} \right)^{1/2} = \sqrt{602} = 24.6 = \left(\frac{D_1 + D_2}{n_1 + n_2 - 2} \right)^{1/2}$$

$$t = \frac{(13.8 - 7.3)}{24.6} \left(\frac{15 \cdot 12}{15 + 12} \right)^{1/2} = \frac{6.5}{24.6} \cdot 2.58 = .68 = \frac{\bar{x}_1 - \bar{x}_2}{S} \left(\frac{n_1 \cdot n_2}{n_1 + n_2} \right)^{1/2}$$

p = .5

< 1 ft.

B. WT.
Sh. WT.

normal

Reversed

n	9
\bar{x}	3.162
Σx	28.46
Σx^2	92.2446
$\frac{(\Sigma x)^2}{n}$	89.9968
D	2.9478

n	8
\bar{x}	3.348
Σx	26.78
Σx^2	90.3012
$\frac{(\Sigma x)^2}{n}$	89.6461
D	0.6551

$$S = \sqrt{\frac{2.9029}{15}} = \sqrt{0.1935} = 0.4398$$

$$t = \frac{0.186 \times 2058}{0.4398} = \frac{0.3828}{0.4398} = 0.8704 \text{ N.S.}$$

p = .40

1 ft - 4 ft.

n	14
\bar{x}	3.159
Σx	44.23
Σx^2	142.2717
$\frac{(\Sigma x)^2}{n}$	139.7352
D	2.5365

n	11
\bar{x}	3.386
Σx	37.25
Σx^2	129.3707
$\frac{(\Sigma x)^2}{n}$	126.1420
D	3.2287

$$S = \sqrt{\frac{0.6922}{23}} = \sqrt{0.0300} = 0.1735$$

$$t = \frac{0.227 \times 2.482}{0.1735} = \frac{0.5634}{0.1735} = 3.2473$$

p = .002

error. He subtracted instead of adding.

> 4 ft.

n	9
\bar{x}	2.706
Σx	24.35
Σx^2	68.3177
$\frac{(\Sigma x)^2}{n}$	65.8803
D	2.4374

n	6
\bar{x}	3.183
Σx	19.10
Σx^2	64.7850
$\frac{(\Sigma x)^2}{n}$	60.8017
D	3.9833

$$S = \sqrt{\frac{6.4207}{13}} = \sqrt{0.4939} = 0.7028$$

$$t = \frac{0.477 \times 19}{0.9063} = 1.2896 \text{ N.S.}$$

Scarlet Runner, South Row
Normal

21/10/62

(a) Up to 1 ft

(b) 1 to 4 ft

(c) Over 4 ft

Position	(a) Up to 1 ft				(b) 1 to 4 ft				(c) Over 4 ft			
	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucks
41	2.67	2.33	1.21	3.05	—	—	—	—	—	—	—	—
43	—	—	—	—	—	—	—	—	—	—	—	—
45	4.53	3.25	1.08	1.95	—	—	—	—	—	—	—	—
47	1.60	1.00	1.00	1.67	—	—	—	—	—	—	—	—
49	—	—	—	—	—	—	—	—	—	—	—	—
51	4.56	2.00	.59	3.29	—	—	—	—	5.20	3.00	.74	3.46
53	4.35	2.33	.70	3.33	5.03	2.43	.62	3.43	—	—	—	—
55	3.33	1.67	.69	2.57	—	—	—	—	—	—	—	—
57	5.36	3.75	.88	3.87	4.36	3.00	.88	3.17	—	—	—	—
59	3.87	2.08	.71	3.11	—	—	—	—	—	—	—	—
61	3.83	3.14	1.08	3.17	3.87	2.50	.84	3.12	3.95	1.75	.64	2.20
63	3.34	2.70	1.05	3.39	—	—	—	—	—	—	—	—
65	3.65	3.50	1.28	2.75	—	—	—	—	—	—	—	—
67	2.66	3.00	1.36	3.92	—	—	—	—	—	—	—	—
69	—	—	—	—	—	—	—	—	—	—	—	—
Sum	43.75	30.75	11.63	36.07	13.26	7.93	2.34	9.72	9.15	4.75	1.38	5.66
Number	12	12	12	12	3	3	3	3	2	2	2	2
Average	3.64	2.56	.97	3.00	4.42	2.64	.78	3.24	4.67	2.38	.69	2.83

Scarlet Runner, South Row

21/10/62

Reversed

Position	(a) Up to 1ft				(b) 1 to 4 ft				(c) Over 4 ft			
	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucka	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucka	Gms Pod	Beans Pod	Beans Gm	Gms Beans Shucka
42	—	—	—	—	—	—	—	—	1.55	1.00	.87	2.87
44	—	—	—	—	—	—	—	—	1.40	1.00	1.00	3.33
46	5.33	3.00	.79	2.44	—	—	—	—	—	—	—	—
48	—	—	—	—	—	—	—	—	—	—	—	—
50	2.60	2.00	1.11	2.00	—	—	—	—	—	—	—	—
52	4.35	2.67	.80	3.29	—	—	—	—	3.82	2.83	.96	3.36
54	—	—	—	—	3.17	1.83	.75	3.59	—	—	—	—
56	3.18	2.20	.88	3.91	—	—	—	—	—	—	—	—
58	—	—	—	—	4.60	2.60	.72	3.62	—	—	—	—
60	5.58	4.00	.90	4.42	—	—	—	—	2.60	2.00	1.11	2.84
62	3.30	1.25	.64	1.32	—	—	—	—	4.36	1.80	.77	1.14
64	2.76	2.60	1.28	3.00	—	—	—	—	—	—	—	—
66	2.45	3.27	1.74	3.23	—	—	—	—	—	—	—	—
68	—	—	—	—	—	—	—	—	—	—	—	—
70	—	—	—	—	—	—	—	—	—	—	—	—
Sums	29.55	20.99	8.14	23.61	7.77	4.43	1.47	7.21	13.73	8.63	4.71	13.54
Number	8	8	8	8	2	2	2	2	5	5	5	5
Average	3.70	2.63	1.02	2.96	3.89	2.22	.74	3.61	2.75	1.73	.94	2.71
Reversed Normal	1.02	1.03	1.05	.99	.88	.84	.95	1.11	.59	.73	1.36	.96

Scarlet Runner, South Row 23/10/62
 Normal, Full Pole Data

Position	Pods		Beans		Shucks	Gms Beans	Gms Beans	Gms Beans	Gms Beans	Gms Beans	Light Beans	
	No	Gms	No	Gms	Gms	Pod	Pod	Gm	Shucks	Vines	No	%
41	3	8.0	7	5.8	1.9	-	-	-	3.05	-	-	-
43	-	-	-	-	-	-	-	-	-	-	-	-
45	4	18.1	13	12.1	6.2	-	-	-	1.95	-	-	-
47	1	1.6	1	1.0	0.6	-	-	-	1.67	-	-	-
49	-	-	-	-	-	-	-	-	-	-	-	-
51	6	29.3	15	22.3	6.6	-	-	-	3.37	-	-	-
53	13	61.3	31	47.1	13.9	-	-	-	3.38	-	-	-
55	3	10.0	5	7.2	2.8	-	-	-	2.57	-	3	-
57	13	64.6	45	51.2	14.2	-	-	-	3.61	-	-	-
59	13	50.3	27	37.9	12.2	-	-	-	3.11	-	-	-
61	17	65.8	44	49.1	17.1	-	-	-	2.87	-	-	-
63	20	66.8	54	51.2	15.1	-	-	-	3.39	-	-	-
65	2	7.3	7	5.5	2.0	-	-	-	2.75	-	-	-
67	5	13.3	15	11.0	2.8	-	-	-	3.93	-	-	-
69	-	-	-	-	-	-	-	-	-	-	-	-

These light beans of south row are not color reversals of the seed planted. They are identical to seed planted in north row. Consequently this is not same phenomenon as Hawaiian beans

Group Data

100	396.4	264	301.4	95.4	3.96	2.64	.88	3.16	3	1.1
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Scarlet Runner, South Row 23/10/62
 Reversed, Full Pole Data

Position	Pods		Beans		Shucks	Gms	Beans	Beans	Gms	Gms	Light	Beans
	No	Gms	No	Gms	Gms	Pod	Pod	Gms	Beans	Beans		
42	2	3.1	2	2.3	0.8				2.88			
44	1	1.4	1	1.0	0.3				3.33			
46	4	21.3	12	15.1	6.2				2.43		5	Pods (out)
48	-	-	-	-	-							
50	1	2.6	2	1.8	0.9				2.00			
52	12	49.1	33	37.9	11.4				3.33		5	Pods (out)
54	6	19.0	11	14.7	4.1				3.59			
56	5	15.9	11	12.5	3.2				3.90			
58	5	23.0	13	18.1	5.0				3.62		4	Pods (out)
60	11	52.5	38	40.8	9.9				4.12			
62	9	35.0	14	19.5	16.2				1.21		13	
64	10	27.6	26	20.4	6.8				3.00			
66	11	27.0	36	20.7	6.4				3.23			
68	-	-	-	-	-							
70	-	-	-	-	-							

Group Data

77 277.5 199 204.8 71.2 360 2.58 .97 2.88 27 13.6

Reversed
 Normal

.91 .99 1.10 .91

20/9/63

Scarlet Runner Standard Brown + Cream Seed

Normal				Reversed			
Position	Beans			Position	Beans		
	Brown + Cream	Cream + Brown	Total		Brown + Cream	Cream + Brown	Total
South Row							
41	7	0		42	2	0	
45	13	0		44	1	0	
47	1	0		46	0	7	
51	15	0		50	2	0	
53	31	0		52	28	0	
55	2	3		54	11	0	
57	45	0		56	11	0	
59	27	0		58	9	0	
61	44	0		60	38	0	
63	54	0		62	1	13	
65	7	0		64	26	16	
67	15	0		66	36	0	
68				68	0	48	
Totals	261	3	264	165	84	249	
Percent Cream + Brown 1.14%				Percent Cream + Brown 33.7%			
Entire lot				Apparently there were no i.c. Cream + Brown beans in this row.			
426	87	513					
Percent Cream + Brown 17.0%							

29/10/62

Weighed Overall amounts as follows

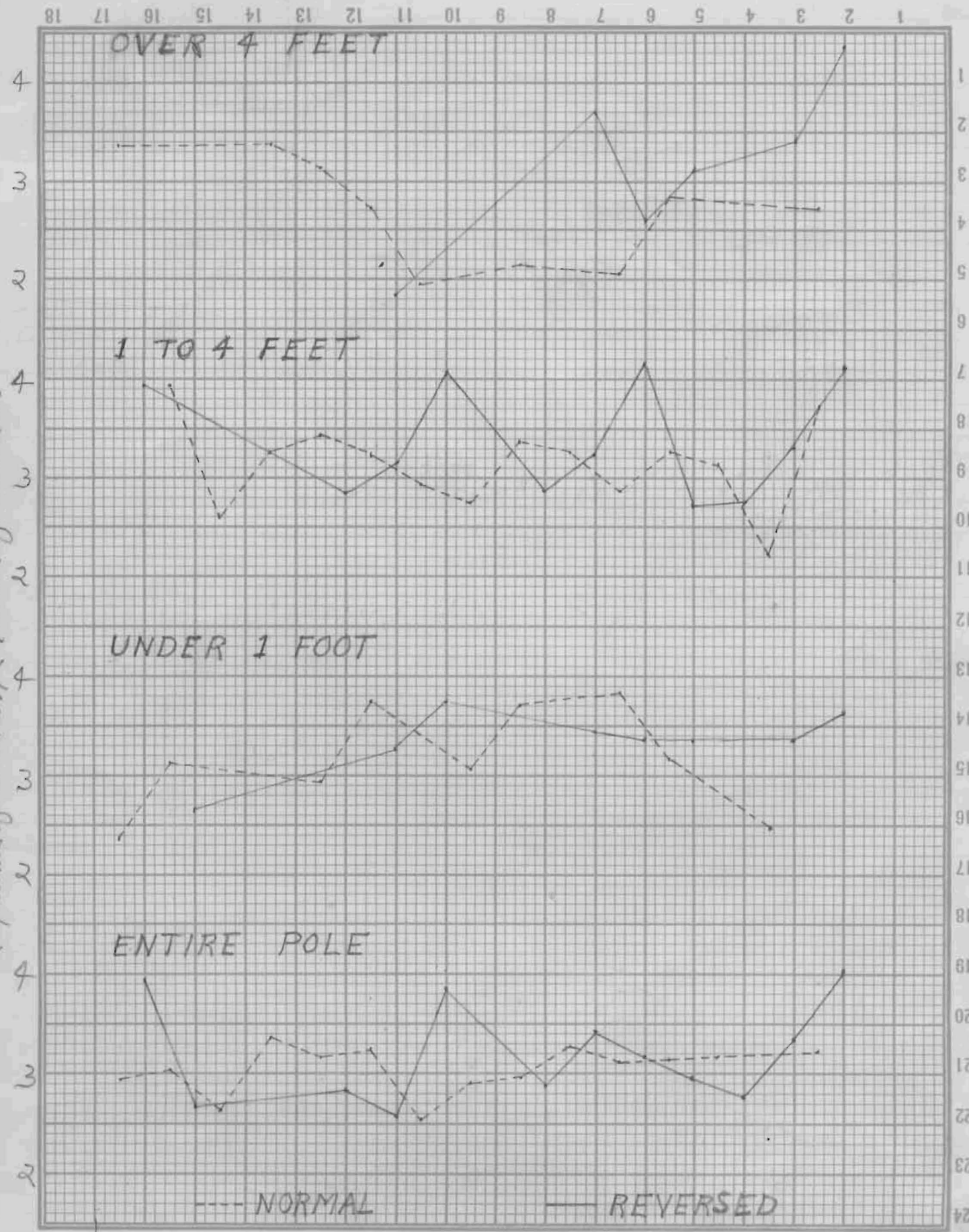
Scarlet Runner Beans (Red + White Flower)

Row		North	South
Vines (over)	Normal	1860	630
	Reversed	1532	605
Shucks (a)	Normal	73	
	Reversed	77	Entire Pole Shucks
Shucks (b)	Normal	217	93 normal
	Reversed	112	73 reversed
Shucks (c)	Normal	116	
	Reversed	61	

Black + Tan Beans	← 414 →
Tan + Black Beans	1860 21.5
Color Reversed Tan + Black beans	58.0 36.7
Special Tan + Black beans	← 31.4 →
Pink rejects	← 49.8 → f1

(Grams of Beans) / (Grams of Shucks)

Scarlet Runner Tax (north row)



OVER 4 FEET

1 TO 4 FEET

UNDER 1 FOOT

ENTIRE POLE

--- NORMAL

— REVERSED

Pole Position Number